

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/091821	US-PGPUB	OR	OFF	2008/05/30 11:41
L2	2853	429/13	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/30 11:41
L3	136	2 and (membrane same electrolyte) and anode and cathode and housing and (cataly\$ same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol)same (opening or valve\$2 or port\$2))	US-PGPUB; USPAT	OR	OFF	2008/05/30 11:42
L4	1930	429/19	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/30 11:42
L5	58	4 and (membrane same electrolyte) and anode and cathode and housing and (cataly\$ same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol)same (opening or valve\$2 or port\$2))	US-PGPUB; USPAT	OR	OFF	2008/05/30 11:43
L6	181	((fuel adj cell\$2) and methanol and (crossover same water same generat \$4) and (water same generat\$4) and ((fuel aj cell\$2) same methanol)	US-PGPUB; USPAT	OR	OFF	2008/05/30 11:45
L7	757	(water near2 generat\$3) and ((fuel adj cell) near2 methanol)	US-PGPUB; USPAT	OR	OFF	2008/05/30 11:46
L8	15	(water near2 generator) and ((fuel adj cell) near2 methanol)	US-PGPUB; USPAT	OR	OFF	2008/05/30 11:47
L9	2	(water near2 generator) and ((fuel adj cell) near2 methanol)	EPO; JPO; DERWENT	OR	OFF	2008/05/30 11:50
L10	586	((beckmann same gerhard) (mutolo same paul) (bailey same william)).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/30 11:51

L11	31	((beckmann same gerhard) (mutolo same paul) (bailey same william)).in. and (fuel adj cell\$2) and electrolyte\$2 and load and oxygen and membrane and cathode and anode and cataly\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/30 11:52
L12	31	((beckmann same gerhard) (mutolo same paul) (bailey same william)).in. and (fuel adj cell\$2) and electrolyte\$2 and load and oxygen and membrane and cathode and anode and cataly\$4 and water and generat\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/30 11:53
L13	17	((fuel adj cell\$2) and electrolyte\$2 and load and oxygen and membrane and cathode and anode and cataly\$4 and water and generat \$3).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/30 11:57
S1	1	("20020122966").PN.	US-PGPUB	OR	OFF	2006/05/02 12:25
S2	323	429//29	US-PGPUB; USPAT	OR	OFF	2006/05/02 12:25
S3	3	S2 and (membrane same electrolyte) and anode and cathode and housing and (cataly\$5 same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol)same (opening or valve\$2 or port\$2))	US-PGPUB; USPAT	OR	OFF	2006/05/02 12:30
S4	285	(membrane same electrolyte) and anode and cathode and housing and (cataly\$5 same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol)same (opening or valve\$2 or port\$2))	US-PGPUB; USPAT	OR	OFF	2006/05/02 12:31

S5	192	(membrane same electrolyte) and anode and cathode and housing and (cataly\$5 same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol)same (opening or valve\$2 or port\$2)) and (methanol same (fuel adj cell\$2))	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:08
S6	4	("6682839" "6492052" "6878473" "6821659"). pn.	US-PGPUB; USPAT	OR	OFF	2006/05/02 15:39
S7	4	S6 and (membrane same electrolyte) and anode and cathode and housing and (cataly\$5 same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol)same (opening or valve\$2 or port\$2)) and (methanol same (fuel adj cell\$2))	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:25
S8	1	10/091821	US-PGPUB	OR	OFF	2006/05/02 13:19
S9	1	S8 and air same fuel same chamber same anode same cathode	US-PGPUB	OR	OFF	2006/05/02 13:21
S10	1	S8 and (air same fuel same chamber same (anode near chamber))	US-PGPUB	OR	OFF	2006/05/02 13:22
S11	4	S6 and (membrane same electrolyte) and anode and cathode and housing and (cataly\$5 same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol)same (opening or valve\$2 or port\$2)) and (methanol same (fuel adj cell\$2)) and (air same fuel)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:25

S12	4	S6 and (membrane same electrolyte) and anode and cathode and housing and (cataly\$5 same membrane) and (air same (opening or valve \$2 or port\$2)) and ((fuel or methanol) same (opening or valve\$2 or port\$2)) and (methanol same (fuel adj cell\$2)) and (air same (fuel or methanol))	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:35
S13	417	(methanol same (fuel adj cell\$2)) and ( air same (fuel or methanol) same feed\$3 same anode\$2)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:37
S14	202	(methanol same (fuel adj cell\$2)) and ( air same (fuel or methanol) same feed\$3 same anode\$2) and (air adj4 (fuel or methanol) same anode)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:38
S15	132	(methanol same (fuel adj cell\$2)) and ( air same (fuel or methanol) same feed\$3 same anode\$2) and (air adj4 (fuel or methanol) same anode) and (carbon near dioxide)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:38
S16	44	(methanol same (fuel adj cell\$2)) and ( air same (fuel or methanol) same feed\$3 same anode\$2) and (air adj4 (fuel or methanol) same anode) and (carbon near dioxide) and (anode near chamber)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:55
S17	525	(methanol same (fuel adj cell\$2)) and ((air near fuel) same mixture)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:57
S18	380	(methanol same (fuel adj cell\$2)) and ((air near fuel) adj3 mixture)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:57
S19	16	(methanol near (fuel adj cell\$2)) and ((air near fuel) adj3 mixture)	US-PGPUB; USPAT	OR	OFF	2006/05/02 13:58
S20	1	"6682839".pn.	USPAT	OR	OFF	2006/05/02 15:39

S21	203	S20 fuel and housing and oxygen and air and cataly \$5 and membrane and anode and cathode and water and (carbon near dioxide)	USPAT	OR	OFF	2006/05/02 15:44
S22	1	S20 and fuel and housing and oxygen and air and cataly\$5 and membrane and anode and cathode and water and (carbon near dioxide)	USPAT	OR	OFF	2006/05/02 16:34
S23	929620	S20 load\$2	USPAT	OR	OFF	2006/05/02 16:34
S24	1	S20 and load\$2	USPAT	OR	OFF	2006/05/02 16:42
S25	1	S20 and (oxygen same valve\$2)	USPAT	OR	OFF	2006/05/02 16:50
S26	1	S20 and (fuel same valve \$2) and water	USPAT	OR	OFF	2006/05/02 16:50
S27	1	10/091821	US-PGPUB	OR	OFF	2006/05/03 10:00
S28	1	S27 and cross	US-PGPUB	OR	OFF	2006/05/03 09:47
S29	1	S27 and induce	US-PGPUB	OR	OFF	2006/05/03 09:48
S30	641	((fuel adj cell\$2) same methanol) and (water near generat\$4)	US-PGPUB	OR	OFF	2006/05/03 09:49
S31	38	((fuel adj cell\$2) same methanol) and (water near generat\$4) and (fuel near cross\$5)	US-PGPUB; USPAT	OR	OFF	2006/05/03 09:56
S32	1	"6924055".pn.	US-PGPUB; USPAT	OR	OFF	2006/05/03 09:56
S33	1	S32 and valve\$2	US-PGPUB; USPAT	OR	OFF	2006/05/03 09:56
S34	1	S27 and valve\$2	US-PGPUB	OR	OFF	2006/05/03 10:05
S35	1	S27 and valve\$2 and clos \$3 and oxygen	US-PGPUB	OR	OFF	2006/05/03 11:02
S36	1	S27 and valve\$2 same anode	US-PGPUB	OR	OFF	2006/05/03 10:12
S37	1	S27 and valve\$2	US-PGPUB	OR	OFF	2006/05/03 11:15
S38	0	S27 and uncoupl\$3	US-PGPUB	OR	OFF	2006/05/03 11:15
S39	1	S27 and crossover	US-PGPUB	OR	OFF	2006/05/03 11:17

S40	0	"6440594".pn.	US-PGPUB	OR	OFF	2006/05/03 11:18
S41	1	"6440594".pn.	USPAT	OR	OFF	2006/05/03 11:18
S42	1	S41 and cross\$5	USPAT	OR	OFF	2006/05/03 11:19
S43	195	(fuel adj cell\$2) and methanol and (cross\$6 same water same generat \$4)	USPAT	OR	OFF	2006/05/03 11:20
S44	2	(fuel adj cell\$2) and methanol and (cross\$6 same water same generat \$4) and (water near generator)	USPAT	OR	OFF	2006/05/03 11:21
S45	195	(fuel adj cell\$2) and methanol and (cross\$6 same water same generat \$4) and (water same generat\$4)	USPAT	OR	OFF	2006/05/03 11:22
S46	518	(fuel adj cell\$2) and methanol and (cross\$6 same water same generat \$4) and (water same generat\$4)	US-PGPUB; USPAT	OR	OFF	2006/05/03 11:22
S47	28651	(fuel adj cell\$2) and methanol and (cross\$6 same water same generat \$4) and (water same generat\$4) ((fuel aj cell \$2) same methanol)	US-PGPUB; USPAT	OR	OFF	2006/05/03 11:22
S48	487	(fuel adj cell\$2) and methanol and (cross\$6 same water same generat \$4) and (water same generat\$4) and ((fuel aj cell\$2) same methanol)	US-PGPUB; USPAT	OR	OFF	2006/05/03 11:23
S49	107	(fuel adj cell\$2) and methanol and (crossover same water same generat \$4) and (water same generat\$4) and ((fuel aj cell\$2) same methanol)	US-PGPUB; USPAT	OR	OFF	2006/05/03 11:23
S50	1	"6924055".pn.	US-PGPUB; USPAT	OR	OFF	2006/05/06 13:36
S51	1	"6682839".pn.	USPAT	OR	OFF	2006/05/05 14:14
S52	1	S51 and load\$3	USPAT	OR	OFF	2006/05/05 14:14
S53	1	10/091821	US-PGPUB	OR	OFF	2006/05/05 14:32

S54	4998	S53 and cross same fuel same cathode	US-PGPUB	OR	OFF	2006/05/10 13:28
S55	0	S53 and cross same fuel same cathode	US-PGPUB	OR	OFF	2006/05/05 14:33
S56	1	S53 and cross same fuel	US-PGPUB	OR	OFF	2006/05/05 14:35
S57	1	S53 and cross\$6	US-PGPUB	OR	OFF	2006/05/05 14:48
S58	19	(fuel adj cell\$2) same supply same water same (second near (fuel adj cell \$2))	US-PGPUB	OR	OFF	2006/05/05 16:00
S59	32	(fuel adj cell\$2) same supply same water same (second near (fuel adj cell \$2))	US-PGPUB; USPAT	OR	OFF	2006/05/05 14:56
S60	7	(fuel adj cell\$2) and (variable same load same crossover)	US-PGPUB; USPAT	OR	OFF	2006/05/05 14:58
S61	2	(fuel adj cell\$2) and ((vari \$4 near load) same crossover)	US-PGPUB; USPAT	OR	OFF	2006/05/05 14:59
S62	15	(fuel adj cell\$2) and (vari \$4 same load same crossover)	US-PGPUB; USPAT	OR	OFF	2006/05/05 15:03
S63	53	(fuel adj cell\$2) and ((chang\$3 or vari\$5) same load same (crossover or (cross near over)))	US-PGPUB; USPAT	OR	OFF	2006/05/05 15:04
S64	1	"6210820".pn.	US-PGPUB; USPAT	OR	OFF	2006/05/06 13:37
S65	0	S64 and housing	US-PGPUB; USPAT	OR	OFF	2006/05/06 13:37
S66	1	S64 and fuel and oxygen and methanol and membrane and cataly\$5	US-PGPUB; USPAT	OR	OFF	2006/05/06 13:49
S67	0	S64 and water	US-PGPUB; USPAT	OR	OFF	2006/05/06 13:49
S68	1	"6210820".pn.	US-PGPUB; USPAT	OR	OFF	2006/05/10 13:18
S69	1	S68 and load	US-PGPUB; USPAT	OR	OFF	2006/05/10 13:18
S70	1	tillmetz.in. and (aqueous same feedstock)	USPAT	OR	OFF	2006/05/10 13:29
S71	1	10/091821	US-PGPUB	OR	OFF	2006/11/12 14:34
S72	7761	"1" and anode and water and oxidiz\$4	US-PGPUB	OR	OFF	2006/11/12 14:35

S73	1	S71 and anode and water and oxidiz\$4	US-PGPUB	OR	OFF	2006/11/12 14:35
S74	1	"6682839".pn.	USPAT	OR	OFF	2006/11/12 14:49
S75	1	S74 and anode and water	USPAT	OR	OFF	2006/11/12 14:54
S76	77	(methanol near (fuel adj cell\$2)) and (reaction same equation)	USPAT	OR	OFF	2006/11/12 14:55

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